

Application No. 10/736,698
Reply to Office Action of May 31, 2007

IN THE SPECIFICATION

Please replace the abstract at page 23 with the following rewritten abstract:

A base Base station (100) includes a channel quality detecting unit (~~120~~) that detects channel quality between the base station and a mobile station (200), a buffered data amount monitoring unit (~~130~~), and a modulation and coding set determination unit (~~150~~). The modulation and coding set determination unit determines a modulation and coding set, as a downlink modulation scheme for packet communications, such that a prescribed communication condition corresponding to the channel quality is satisfied, and that padding added to the data buffered in a transmission buffer (140) for subsequent transmission to the mobile station becomes the minimum.